Index of Claims

Application/Control No.

Christopher J. Brown

10/045,893

Date

Applicant(s)/Patent under Reexamination

ADUSUMILLI, KOTESHWERRAO

Examiner

Art Unit 2134

√ Rejected
= Allowed

(Through numeral)
Cancelled

Claim

Restricted

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Interference

A Appeal

O Objected

| Claim    |  | Date     |              |          |          |          |  |          |                           |          |
|----------|--|----------|--------------|----------|----------|----------|--|----------|---------------------------|----------|
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| Final    | Original   | 2/1/07   |              |          |          |          |  |          |                           |          |
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|          | 3  |          |              |          |          |          |  |          |                           |          |
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|          | 14   |          |              |          |          |          |  |          |                           |          |
|          | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21 |          |              |          |          |          |  |          |                           |          |
|          | 16   |          |              |          |          |          |  |          |                           |          |
|          | 17   |          |              |          |          |          |  |          |                           |          |
|          | 18   |          |              |          |          |          |  |          |                           |          |
|          | 19   |          |              |          |          |          |  |          |                           |          |
|          | 20   |          |              |          |          |          |  |          |                           |          |
|          | 21   |          |              |          |          |          |  |          |                           |          |
|          | 22   |          |              |          |          |          |  |          |                           |          |
|          | 23   |          |              |          |          |          |  |          | L                         |          |
|          | 24   |          |              |          |          |          | Ĺ  |          |                           |          |
|          | 25   |          |              |          |          |          |  |          | _                         | Ш        |
|          | 26   |          |              | Ĺ        |          |          |  |          |                           | Ш        |
|          | 22<br>23<br>24<br>25<br>26<br>27<br>28<br>29                         |          |              |          | <u></u>  |          | $oxed{oxed}$   |          |                           | Ш        |
|          | 28   |          |              |          | L        |          | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{L}}}}$ | L        | L                         |          |
|          | 29   | L        | <u> </u>     |          | L        | _        |  |          | L                         | Ш        |
|          | 30   |          | <u></u>      |          |          | _        | L  |          |                           | Ш        |
|          | 31   |          |              |          | <u> </u> |          |  | _        |                           | Ш        |
|          | 32   |          | L            | L        |          |          |  | _        |                           | Ш        |
|          | 33   | 1        | L            |          | L        | L        | _  | <u> </u> |                           |          |
|          | 33<br>34   | V        | $oxed{\Box}$ |          | <u> </u> | <u> </u> | L_   | Ŀ        | <u> </u>                  | Ш        |
|          | 35   | 1        | <u> </u>     | _        | <u> </u> | <u> </u> | _  | _        | _                         | Ш        |
|          | 36<br>37   | 1        | _            |          | <u> </u> | <u> </u> | _  | _        | <u> </u>                  | Ш        |
|          | 37   | Ļ        | _            |          | <u> </u> | <u> </u> | L.   | <u> </u> | <u> </u>                  | Ш        |
|          | 38<br>39   | 1        | _            | <u> </u> |          | <u> </u> | _  | _        |                           | Ш        |
|          | 39   |          |              | L.       | <u>_</u> | _        | _  |          | _                         | Ш        |
| L        | 40   | 1        |              | <u>L</u> | <u> </u> | _        | <u> </u>   | <u> </u> | <u> </u>                  | Ш        |
|          | 41   | <u> </u> | _            | <u> </u> | <u> </u> | _        |  | L_       | $ldsymbol{ldsymbol{eta}}$ | Ш        |
| <u> </u> | 42   | 1        |              | _        |          | L.       |  | <u> </u> |                           | Щ        |
|          | 43   | 1        |              | 匚        | _        | _        |  | <u> </u> | L_                        | Ш        |
| L        | 44   | Ļ        | _            | _        | <u> </u> | _        | <u> </u>   | <u> </u> |                           | Ш        |
|          | 45   | 1        | _            | 上        | 丄        | $oxed{}$ | _  | _        | _                         | Ш        |
|          | 46   | <u> </u> |              | <u> </u> | L_       | _        | <u> </u>   | _        | <u> </u>                  | Ш        |
|          | 47   | <u> </u> | _            | ļ        | _        | _        | $oxed{oxed}$   | L        | <u> </u>                  | Ш        |
| <u></u>  | 48   | 1        | <u> </u>     | oxdot    | _        | L        | _  | <u> </u> | L                         | $\sqcup$ |
|          | 49   | ļ.,      | L            | <u> </u> | <u> </u> | L        | <u> </u>   | L_       | <u> </u>                  | Ш        |
| L        | 50   | 1        |              |          |          |          |  |          |                           | Ш        |

| 51       √         52       √         53       3         54       √         55       √         56       √         57       √         58       ∨         59       60         61       62         63       64         65       66         67       68         69       70         71       72         73       74         75       76         77       78         79       80         81       82         83       84         85       86         87       88         89       90         91       92         93       94         95       96         97       98         99       99  | Final    | Original | 2/1/07                                |          |  |  |          |  |          |  |          |
|--|----------|----------|---------------------------------------|----------|--|--|----------|--|----------|--|----------|
| 53   | -        | 51       | J                                     |          | -  | -  | -        |  |          |  |          |
| 53   | $\vdash$ | 51       | 1                                     |          | ├  |  | -        | ⊢⊢   |          |  | -        |
| 54       √         55       √         56       √         57       √         58       ∨         59       60         61       62         63       64         65       66         67       68         69       70         71       72         73       74         75       76         77       78         79       80         81       82         83       84         85       86         87       88         89       90         91       92         93       94         95       96         97       98   |          | 52       | <u> </u>                              |          | -  |  | -        |  |          | _  | -        |
| 55       \land{a}         56       \land{a}         57       \land{a}         58       \land{a}         59       \land{a}         60       \land{a}         61       \land{a}         62       \land{a}         63       \land{a}         64       \land{a}         65       \land{a}         68       \land{a}         69       \land{a}         70       \land{a}         71       \land{a}         72       \land{a}         73       \land{a}         74       \land{a}         75       \land{a}         76       \land{a}         77       \land{a}         78       \land{a}         79       \land{a}         80       \land{a}         81       \land{a}         82       \land{a}         83       \land{a}         84       \land{a}         85       \land{a}         86       \land{a}         87       \land{a}         88       \land{a}         90       \land{a}         91 | -        | 53       | ٠,                                    | -        |  |  |          | -  |          | _  | $\dashv$ |
| 56       √         57       √         58       ∨         59          60          61          62          63          64          65          66          67          68          69          70          71          72          73          74          75          76          77          78          79          80          81          82          83          84          85          86          87          88          89          90          91          92          93 <t< th=""><th>-</th><th>54</th><th>  <u>\</u></th><th><u> </u></th><th><del> </del></th><th></th><th>-</th><th></th><th></th><th></th><th>Щ</th></t<>  | -        | 54       | <u>\</u>                              | <u> </u> | <del> </del>                                     |  | -        |  |          |  | Щ        |
| 57       \lambda         58       \lambda         59       \lambda         60       \lambda         61       \lambda         62       \lambda         63       \lambda         64       \lambda         65       \lambda         66       \lambda         67       \lambda         68       \lambda         69       \lambda         70       \lambda         71       \lambda         72       \lambda         73       \lambda         74       \lambda         75       \lambda         76       \lambda         77       \lambda         78       \lambda         79       \lambda         80       \lambda         81       \lambda         82       \lambda         83       \lambda         84       \lambda         85       \lambda         86       \lambda         87       \lambda         90       \lambda         91       \lambda         92       \lambda                    | <u> </u> | 55       | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | _        | <u> </u>   |  | -        | -  | _        |  | Щ        |
| 58       v         59       60         61       62         63       64         65       66         67       68         69       70         71       72         73       74         75       76         77       78         79       80         81       82         83       84         85       86         87       88         89       90         91       92         93       94         95       96         97       98   |          | 56       |                                       | _        |  | _  | _        | _  |          |  | Щ        |
| 60<br>61<br>62<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 5/       |                                       | <u> </u> | <u> </u>   | <u> </u>   | <u> </u> |  |          | _  |          |
| 60<br>61<br>62<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 58       | <u> </u>                              |          | ⊢  | <u> </u>   | <u> </u> | _  |          | <u> </u>   |          |
| 61<br>62<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 59       |                                       | ļ        | <u> </u>   | <u> </u>   | <u> </u> | <u> </u>   | Ŀ        | _  | Щ        |
| 62<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 60       | _                                     |          |  | <u> </u>   | _        | _  | _        |  | Ш        |
| 63   |          | 61       | _                                     | L        | _  |  | _        | _  | _        |  |          |
| 66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 62       | L                                     | L        | _  |  |          | _  | _        | _  | Ш        |
| 66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 63       |                                       | <u> </u> |  | <u> </u>   |          |  | _        | _  |          |
| 66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 64       | <u></u>                               | _        |  | <u> </u>   | _        | Ŀ  | <u> </u> | <u> </u>   | Ш        |
| 66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 65       |                                       |          | <u> </u>   | _  | 1_       | <u> </u>   | <u> </u> | <u> </u>   | Ш        |
| 67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 66       |                                       |          |  | L_   | L        |  | L        |  |          |
| 69   |          | 67       |                                       |          |  |  |          | L  | L        |  | Ш        |
| 70   |          | 68       |                                       |          |  |  |          |  |          |  |          |
| 70   |          | 69       |                                       |          |  |  |          |  |          |  |          |
| 72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97   |          | 70       |                                       |          | Г  |  |          |  |          |  |          |
| 72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97   |          | 71       |                                       |          |  |  |          |  |          |  |          |
| 74   |          | 72       |                                       | Г        | П  | Г  | Г        |  |          |  |          |
| 74   |          | 73       |                                       | Γ        | Π  | П  | П        |  |          | П  |          |
| 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96  |          | 74       |                                       |          |  |  |          |  |          |  |          |
| 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96  |          | 75       |                                       |          |  |  | Π        |  |          | Г  |          |
| 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97  |          | 76       |                                       |          | Г  |  |          |  |          | П  |          |
| 79 80 81 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96  | Ţ.       | 77       |                                       |          | Г  |  |          |  |          |  |          |
| 79 80 81 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96  |          | 78       |                                       |          |  |  |          |  |          | Г  |          |
| 80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97   |          | 79       |                                       |          |  |  |          |  |          |  |          |
| 81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97   |          | 80       |                                       |          |  |  |          |  |          |  |          |
| 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>93<br>94<br>95<br>96<br>97   |          | 81       |                                       |          |  |  | Π        |  | Г        |  |          |
| 84 85 86 87 88 89 90 90 91 91 92 93 94 95 96 97 98   |          | 82       |                                       |          |  |  |          | T  | _        |  |          |
| 84 85 86 87 88 89 90 90 91 91 92 93 94 95 96 97 98   |          | 83       |                                       |          |  |  |          | Г  |          |  |          |
| 85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97   |          | 84       |                                       | Г        | <u> </u>   | Г  | Г        | Г  | Г        |  | П        |
| 86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97   |          | 85       | Г                                     |          |  | Г  | 1        | ļ  |          |  | П        |
| 87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97   |          | 86       | $\vdash$                              | $\Box$   | Τ  | Т  |          |  | Γ        |  | П        |
| 88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 87       |                                       |          | 1  | Г  |          |  | Γ        |  |          |
| 89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 88       | Π                                     | $I^-$    | Π  |  | 1        | 1  |          |  | П        |
| 90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 89       | T                                     | 1        | T  | m  |          |  | Г        |  |          |
| 91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 90       | Г                                     |          | <del>                                     </del> | T  | 1        | $I^-$  |          | Ι  |          |
| 92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 91       |                                       | $\vdash$ |  |  |          | П  | Г        | Г  | П        |
| 93<br>94<br>95<br>96<br>97<br>98   |          | 92       |                                       |          | T  |  |          |  |          |  |          |
| 94   95   96   97   98   98   98   |          |          |                                       |          | Т  | T  |          | T  | Г        | <u> </u>   |          |
| 95<br>96<br>97<br>98   |          | 94       | Τ                                     | Г        | T  | $\vdash$   | T        | T  | $\vdash$ | 1  | $\vdash$ |
| 96<br>97<br>98   |          |          | T                                     | T        | t  | T  | T        | T  | $\vdash$ | T  |          |
| 97 98  |          |          |                                       | 1        | t  | <del>                                     </del> | T        | T  | 1        | T  | П        |
| 98   |          |          | <u> </u>                              | t        | H  |  | T        | 1  |          | t  |          |
|  |          |          | 十一                                    | $\vdash$ | †  | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$   | П        |
|  | -        |          | t                                     | 1        | T  | 1  | T        | <del>                                     </del> | 1        | <del>                                     </del> | $\vdash$ |
| 100  |          | 100      | $\vdash$                              | $\vdash$ | $\vdash$   | 1  |          | $\vdash$   | Н        | 1  |          |

| Claim     |  | Date            |          |  |          |              |          |  |              |           |
|-----------|--|-----------------|----------|--|----------|--------------|----------|--|--------------|-----------|
| Final     | Original   |                 |          |  |          |              |          |  |              |           |
|           | 101  |                 |          |  |          |              |          |  |              |           |
|           | 102  |                 | _        |  |          |              |          |  |              |           |
|           | 102<br>103   |                 |          |  | _        |              |          |  |              | $\square$ |
|           | 104<br>105   |                 |          |  |          |              |          |  | _            | _         |
|           | 105  |                 |          | ļ  |          |              |          |  |              |           |
|           | 106  |                 | <u> </u> |  | <u> </u> |              |          |  |              |           |
|           | 107<br>108   | _               |          | <u> </u>                                     | _        |              |          | _  |              | _         |
|           | 108  | -               |          | <u> </u>                                     | <u> </u> | -            |          | <u> </u>   | _            |           |
|           | 109  | -               |          | ┝  | -        |              |          |  |              | -         |
|           | 110  | H               | _        | -  | $\vdash$ | _            | _        |  | _            | $\dashv$  |
|           | 112  | $\vdash$        | -        | -  | -        |              | _        |  |              | -         |
|           | 113  | $\vdash$        |          | _  | -        |              | $\vdash$ |  |              |           |
|           | 114  | Н               |          |  |          | -            | -        |  |              |           |
|           | 115  | $\vdash$        | _        |  | _        |              | _        | _  | $\vdash$     |           |
|           | 110<br>111<br>112<br>113<br>114<br>115<br>116        |                 |          |  |          |              |          | _  |              |           |
|           | 117  |                 |          |  |          |              |          |  |              |           |
|           | 118  |                 |          |  |          |              |          |  |              |           |
|           | 118<br>119   |                 |          |  |          |              |          |  |              |           |
|           | 120  |                 |          |  |          |              |          |  |              |           |
|           | 121  |                 |          | <u>.                                    </u> | _        | _            |          |  | L            |           |
|           | 122  |                 | _        |  | _        | <u> </u>     | <u>_</u> | _  |              | Щ         |
|           | 123  | _               | <u> </u> | _  | <u> </u> | <u> </u>     | <u> </u> | <u> </u>   | _            |           |
|           | 124  | <u> </u> _      | <u> </u> |  | <u> </u> |              | ⊢        | <u> </u>   | _            | Н         |
|           | 121<br>122<br>123<br>124<br>125<br>126<br>127<br>128 |                 |          | -  | -        |              | ⊢        | $\vdash$   |              | Н         |
|           | 120  | -               | -        | -  | ⊢        | ⊢            | ⊢        | ⊢  | ┝            | Н         |
|           | 128  | $\vdash$        | $\vdash$ | -  | -        | $\vdash$     |          | ╁  | _            | Н         |
|           | 129<br>130<br>131                                    | $\vdash$        | $\vdash$ |  | ⊢        | <del> </del> | -        | ┢  | <del> </del> | Н         |
|           | 130  | -               | -        |  | H        | $\vdash$     | $\vdash$ | ┢  |              | Н         |
|           | 131  | <u> </u>        |          | $\vdash$                                     | T        |              |          | _  |              |           |
|           | 132  |                 |          |  |          |              |          |  |              |           |
|           | 132<br>133   |                 |          |  | Г        |              |          |  |              |           |
|           | 134<br>135   |                 |          |  |          |              |          |  |              |           |
|           | 135  |                 |          |  |          |              |          |  |              |           |
|           | 1 136  | <u> </u>        | _        | L  | <u> </u> | _            | _        | <u> </u>   | _            | Ш         |
|           | 137  | <u> </u>        | L        | <b>L</b>                                     | _        | <u> </u>     | ┞        | <u> </u>   | <u> </u>     | Щ         |
|           | 137<br>138<br>139                                    | <u> </u>        | $\vdash$ | <del> </del>                                 | $\vdash$ | <u> </u>     | <u> </u> | ├-   | <u> </u>     | Н         |
|           | 139  | <u> </u>        | -        | ├  | ├-       | -            | $\vdash$ | <u> </u>   | <u> </u>     | Н         |
| Ь         | 140<br>141   | -               | _        | ├-   | ├-       | -            | -        | -  | -            | $\vdash$  |
| -         | 141  | -               | $\vdash$ | <del> </del>                                 | ├-       | ┝            | -        | $\vdash$   | -            | $\vdash$  |
| <b></b> - | 143  | -               | -        | $\vdash$                                     | +        | $\vdash$     | $\vdash$ | -  | $\vdash$     | H         |
|           | 144  | <del>  - </del> | -        | $\vdash$                                     | $\vdash$ | $\vdash$     | -        | $\vdash$   | H            | H         |
| <b></b> - | 145  | -               | H        | 1  |          | <u> </u>     | $\vdash$ | <del>                                     </del> | $\vdash$     | Н         |
|           | 146  |                 | Т        | $\vdash$                                     |          | T            | Г        |  | _            | М         |
|           | 147  |                 | Π        | Π  | Π        | Τ            | Г        | Г  | Г            | П         |
|           | 148  |                 |          |  |          |              |          |  |              |           |
|           | 149  |                 |          |  |          |              |          |  |              |           |
|           | 150  | $\Box$          | Ĺ        |  |          |              |          |  |              |           |
|           |  |                 |          |  |          |              |          |  |              |           |